

WHAT IS CLAIMED IS:

1. An extendable oven rack assembly comprising:
5 an oven rack adapted for positioning in an oven cavity;
two full extension slides, one each coupled to opposing
margins of the oven rack,
opposing wire frames positioned approximate opposing
margins of the oven rack, the wire frames containing
10 vertically spaced cross-bars;
a first bracket coupled to each slide, the first bracket
including a channel receiving a single cross-bar of the wire
frame; and
a second bracket coupled to each slide, the second
15 bracket including a channel and a ledge, the channel receiving
the single bar and the ledge extending under the single bar.
2. The extendable oven rack assembly of claim 1 wherein
20 the slides provide extension of the oven rack from a position
entirely within the oven cavity to a position outside the oven
cavity.
3. The extendable oven rack assembly of claim 2 wherein
25 the ledge includes a notch configured to receive a vertical
wire of the wire frames.
4. The extendable oven rack assembly of claim 1 further
comprising means for locking the full extension slides in a
30 pre-defined position.
5. An oven comprising:
an oven enclosure including sidewalls having ledges;
an oven rack normally within the oven enclosure;
35 full extension slides each with a first slide member

coupled to the oven rack along opposing margins of the oven rack; and

5 a rack frame coupled to a second slide member of each of the full extension slides, the rack frame resting on opposing ledges of the oven enclosure.

6. The oven of claim 5 wherein the full extension
10 slides provide for extension of the oven rack outside of the oven enclosure.

7. The oven of claim 6 wherein the full extension
slides comprise the first slide member, the second slide
15 member, and an intermediate slide member coupling the first slide member and the second slide member.

8. The oven of claim 7 wherein the first slide member
is coupled to the intermediate slide member by bearings and
20 the intermediate slide member is coupled to the second slide member by bearings.

9. The oven of claim 5 wherein the rack frame includes
a front bar, opposing side bars coupled to the front bar, and
25 a rear bar opposing the front bar and coupled to the opposing side bars, with the rear bar being elevated with respect to the front bar.

10. The oven of claim 5 further comprising means for
30 locking the full extension slides in a pre-defined position.

11. An oven comprising:
an oven enclosure including sidewalls having ledges;
an oven rack normally within the oven enclosure;
35 full extension slides each with a first slide member

coupled to the oven rack along opposing margins of the oven rack;

5 opposing wire frames positioned approximate the side walls of the oven, the wire frames containing vertically spaced cross-bars;

a first bracket coupled to each slide, the first bracket including a channel receiving a single cross-bar of the wire frame; and
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a second bracket coupled to each slide, the second bracket including a channel and a ledge, the channel receiving the single bar and the ledge extending under the single bar.

15 12. The oven of claim 11 further comprising means for locking the full extension slides in a pre-defined position.

13. A drawer slide assembly with mounting brackets adapted to mount to a cross-bar, comprising:

20 a first slide member;

a second slide member extendably coupled to the first slide member;

a first bracket coupled to the first slide member, the first bracket including a channel configured to receive a cross-bar to provide support for the drawer slide assembly in
25 a first direction;

a second bracket coupled to the first slide member, the second bracket including a channel and a ledge, the channel configured to receive the cross-bar to provide support for the drawer slide assembly in the first direction, and the ledge configured to contact the cross-bar when the cross-bar is received by the channel and to prevent motion of the drawer slide assembly about the ledge in a second direction opposite the first direction.
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14. The drawer slide assembly with mounting brackets of claim 13 wherein the first slide member has a front and a rear, and the first bracket is mounted approximate the front and the second bracket is mounted approximate the rear.

15. The drawer slide assembly with mounting brackets of claim 14 wherein the ledge includes a notch configured to receive a bar substantially perpendicular to the cross-bar.

16. An oven rack assembly comprising:
an oven rack;
full extension slides comprising a first slide member and a second slide member extendably coupled by an intermediate slide member, each first slide member coupled to the oven rack along opposing margins of the oven rack; and
a rack frame coupled to the second slide member of each of the full extension slides.

17. The oven rack assembly of claim 16 wherein sides of the rack frame are configured to rest on ledges on side walls of an oven cavity.

18. The oven rack assembly of claim 17 wherein the sides of the rack frame are connected by an elevated rear bar.

19. The oven rack assembly of claim 17 wherein the rack frame includes an extending tab, the extending tab forming a leaf spring configured to press against side walls of the oven cavity.

20. The extendable oven rack assembly of claim 19 wherein the tab includes a plastic sleeve.

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21. The extendable oven rack assembly of claim 17
wherein the rack frame includes a roller.

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22. The extendable oven rack assembly of claim 21
wherein the roller is a horizontal roller.

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